

## **RAW SEQUENCE LISTING**

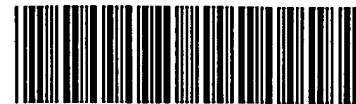
**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 09/934,020C

Source: IFW16

Date Processed by STIC: 8/3/05

# ***ENTERED***



IFW16

## RAW SEQUENCE LISTING

DATE: 08/03/2005

PATENT APPLICATION: US/09/934,020C

TIME: 15:02:59

Input Set : A:\5525-8055.US00 New Sequence.ST25.txt

Output Set: N:\CRF4\08032005\I934020C.raw

3 <110> APPLICANT: Brenner, Sydney  
 5 <120> TITLE OF INVENTION: POLYMORPHIC DNA FRAGMENTS AND USES THEREOF  
 7 <130> FILE REFERENCE: 55525-8055.US00  
 9 <140> CURRENT APPLICATION NUMBER: US 09/934,020C  
 10 <141> CURRENT FILING DATE: 2001-08-21  
 12 <150> PRIOR APPLICATION NUMBER: US 60/227,058  
 13 <151> PRIOR FILING DATE: 2000-08-21  
 15 <160> NUMBER OF SEQ ID NOS: 39  
 17 <170> SOFTWARE: PatentIn version 3.3  
 19 <210> SEQ ID NO: 1  
 20 <211> LENGTH: 89  
 21 <212> TYPE: DNA  
 22 <213> ORGANISM: Artificial Sequence  
 24 <220> FEATURE:  
 25 <223> OTHER INFORMATION: Exemplary tag library  
 28 <220> FEATURE:  
 29 <221> NAME/KEY: misc\_feature  
 30 <222> LOCATION: (71)..(76)  
 31 <223> OTHER INFORMATION: n = A, T, C or G  
 33 <400> SEQUENCE: 1  
 34 agaattcggg ccttaattaa dddddddddd dddddddddd dddddddddd ddgggcccgc 60  
 W--> 36 ataagtcttc nnnnnnggat ccgagtgat 89  
 39 <210> SEQ ID NO: 2  
 40 <211> LENGTH: 28  
 41 <212> TYPE: DNA  
 42 <213> ORGANISM: Artificial Sequence  
 44 <220> FEATURE:  
 45 <223> OTHER INFORMATION: Adaptor  
 47 <400> SEQUENCE: 2  
 48 ggtacagaca tggaggtgca gactaaaa 28  
 51 <210> SEQ ID NO: 3  
 52 <211> LENGTH: 28  
 53 <212> TYPE: DNA  
 54 <213> ORGANISM: Artificial Sequence  
 56 <220> FEATURE:  
 57 <223> OTHER INFORMATION: Adaptor  
 59 <400> SEQUENCE: 3  
 60 tagtactcgt aatcagtgtc tcaatgta 28  
 63 <210> SEQ ID NO: 4  
 64 <211> LENGTH: 20  
 65 <212> TYPE: DNA  
 66 <213> ORGANISM: Artificial Sequence  
 68 <220> FEATURE:

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69 <223> OTHER INFORMATION: Adaptor
71 <400> SEQUENCE: 4
72 gtctccacgt cttattctgt                                20
75 <210> SEQ ID NO: 5
76 <211> LENGTH: 28
77 <212> TYPE: DNA
78 <213> ORGANISM: Artificial Sequence
80 <220> FEATURE:
81 <223> OTHER INFORMATION: Primer
83 <400> SEQUENCE: 5
84 ggtacagaca tggaggtgca gactaaaa                        28
87 <210> SEQ ID NO: 6
88 <211> LENGTH: 28
89 <212> TYPE: DNA
90 <213> ORGANISM: Artificial Sequence
92 <220> FEATURE:
93 <223> OTHER INFORMATION: Primer
95 <400> SEQUENCE: 6
96 tagtactcgt aatcagtgc tcaatgta                        28
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 24
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Primer
107 <400> SEQUENCE: 7
108 acactcttcg tctccacgtc ttat                            24
111 <210> SEQ ID NO: 8
112 <211> LENGTH: 28
113 <212> TYPE: DNA
114 <213> ORGANISM: Artificial Sequence
116 <220> FEATURE:
117 <223> OTHER INFORMATION: Adaptor
120 <220> FEATURE:
121 <221> NAME/KEY: misc_feature
122 <222> LOCATION: (1)..(4)
123 <223> OTHER INFORMATION: Phosphorothioate nucleotide
125 <400> SEQUENCE: 8
126 tagtactcgt aatcagtgc tcaatgta                        28
129 <210> SEQ ID NO: 9
130 <211> LENGTH: 24
131 <212> TYPE: DNA
132 <213> ORGANISM: Artificial Sequence
134 <220> FEATURE:
135 <223> OTHER INFORMATION: Adaptor
137 <400> SEQUENCE: 9
138 tttagaagca gactgtaaga ccgt                            24
141 <210> SEQ ID NO: 10
142 <211> LENGTH: 28

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143 <212> TYPE: DNA
144 <213> ORGANISM: Artificial Sequence
146 <220> FEATURE:
147 <223> OTHER INFORMATION: Primer
150 <220> FEATURE:
151 <221> NAME/KEY: misc_feature
152 <222> LOCATION: (1)..(4)
153 <223> OTHER INFORMATION: Phosphorothioate nucleotide
155 <400> SEQUENCE: 10
156 tagtactcgt aatcagtgct tcaatgta 28
159 <210> SEQ ID NO: 11
160 <211> LENGTH: 24
161 <212> TYPE: DNA
C--> 162 <213> ORGANISM: Artificial Sequence
164 <220> FEATURE:
165 <223> OTHER INFORMATION: Primer
168 <220> FEATURE:
169 <221> NAME/KEY: misc_feature
170 <222> LOCATION: (1)..(4)
171 <223> OTHER INFORMATION: Phosphorothioate nucleotide
173 <400> SEQUENCE: 11
174 acactcttcg tctccacgtc ttat 24
177 <210> SEQ ID NO: 12
178 <211> LENGTH: 26
179 <212> TYPE: DNA
180 <213> ORGANISM: Artificial Sequence
182 <220> FEATURE:
183 <223> OTHER INFORMATION: Primer
185 <400> SEQUENCE: 12
186 tttagaagca gactgtaaga ccgtga 26
189 <210> SEQ ID NO: 13
190 <211> LENGTH: 31
191 <212> TYPE: DNA
192 <213> ORGANISM: Artificial Sequence
194 <220> FEATURE:
195 <223> OTHER INFORMATION: Adaptor
197 <400> SEQUENCE: 13
198 aattctagac tgcagttgat atcttaagct t 31
201 <210> SEQ ID NO: 14
202 <211> LENGTH: 47
203 <212> TYPE: DNA
204 <213> ORGANISM: Artificial Sequence
206 <220> FEATURE:
207 <223> OTHER INFORMATION: Adaptor
209 <400> SEQUENCE: 14
210 aattctgcag aggagatgaa gacgaaaaga aaggggcccga tgctgca 47
213 <210> SEQ ID NO: 15
214 <211> LENGTH: 25
215 <212> TYPE: DNA

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216 <213> ORGANISM: Artificial Sequence
218 <220> FEATURE:
219 <223> OTHER INFORMATION: Adaptor
221 <400> SEQUENCE: 15
222 gaggagatga agacgadddd ddddg 25
225 <210> SEQ ID NO: 16
226 <211> LENGTH: 74
227 <212> TYPE: DNA
228 <213> ORGANISM: Artificial Sequence
230 <220> FEATURE:
231 <223> OTHER INFORMATION: Synthesized oligonucleotide
233 <400> SEQUENCE: 16
234 cgagaaagag ggataaggct cgagcttaat taagagtcga cgaattcggg cccggatcct 60
236 gactctttct ccct 74
239 <210> SEQ ID NO: 17
240 <211> LENGTH: 82
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Synthesized oligonucleotide
247 <400> SEQUENCE: 17
248 ctagagggag aaagagtcag gatccggggc cgaattcgtc gactcttaat taagctcgag 60
250 ccttatccct cttctcggg ac 82
253 <210> SEQ ID NO: 18
254 <211> LENGTH: 47
255 <212> TYPE: DNA
256 <213> ORGANISM: Artificial Sequence
258 <220> FEATURE:
259 <223> OTHER INFORMATION: Synthesized oligonucleotide
261 <400> SEQUENCE: 18
262 tcgaggcata agtcttcgaa ttccatcaca ctgggaagac aacgtag 47
265 <210> SEQ ID NO: 19
266 <211> LENGTH: 47
267 <212> TYPE: DNA
268 <213> ORGANISM: Artificial Sequence
270 <220> FEATURE:
271 <223> OTHER INFORMATION: synthesized oligonucleotide
273 <400> SEQUENCE: 19
274 gatactacgt tgtcttccca gtgtgatgga attcgaagac ttatgcc 47
277 <210> SEQ ID NO: 20
278 <211> LENGTH: 73
279 <212> TYPE: DNA
280 <213> ORGANISM: Artificial Sequence
282 <220> FEATURE:
283 <223> OTHER INFORMATION: Synthesized oligonucleotide
285 <400> SEQUENCE: 20
286 tcgattaatt aacaagcttt gggccctcga gcataagtct tctgcagaat tcggatccat 60
288 cgatggtcat agc 73
291 <210> SEQ ID NO: 21

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Input Set : A:\5525-8055.US00 New Sequence.ST25.txt

Output Set: N:\CRF4\08032005\I934020C.raw

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292 <211> LENGTH: 45
293 <212> TYPE: DNA
294 <213> ORGANISM: Artificial Sequence
296 <220> FEATURE:
297 <223> OTHER INFORMATION: Synthesized oligonucleotide
299 <400> SEQUENCE: 21
300 tgtttcctgc cacacaacat acgagccgga agcggccgct ctaga 45
303 <210> SEQ ID NO: 22
304 <211> LENGTH: 61
305 <212> TYPE: DNA
306 <213> ORGANISM: Artificial Sequence
308 <220> FEATURE:
309 <223> OTHER INFORMATION: Synthesized oligonucleotide
311 <400> SEQUENCE: 22
312 agcgtctaga gcggccgctt ccggctcgta tggtgtgtgg caggaaacag ctatgaccat 60
314 c 61
317 <210> SEQ ID NO: 23
318 <211> LENGTH: 57
319 <212> TYPE: DNA
320 <213> ORGANISM: Artificial Sequence
322 <220> FEATURE:
323 <223> OTHER INFORMATION: Synthesized oligonucleotide
325 <400> SEQUENCE: 23
326 gatggatccg aattctgcag aagacttatg ctcgagggcc caaagcttgt taattaa 57
329 <210> SEQ ID NO: 24
330 <211> LENGTH: 22
331 <212> TYPE: DNA
332 <213> ORGANISM: Artificial Sequence
334 <220> FEATURE:
335 <223> OTHER INFORMATION: Synthesized oligonucleotide
337 <400> SEQUENCE: 24
338 tcgagggccc gcataagtct tc 22
341 <210> SEQ ID NO: 25
342 <211> LENGTH: 22
343 <212> TYPE: DNA
344 <213> ORGANISM: Artificial Sequence
346 <220> FEATURE:
347 <223> OTHER INFORMATION: Synthesized oligonucleotide
349 <400> SEQUENCE: 25
350 tcgagaagac ttatgcgggc cc 22
353 <210> SEQ ID NO: 26
354 <211> LENGTH: 217
355 <212> TYPE: DNA
356 <213> ORGANISM: Artificial Sequence
358 <220> FEATURE:
359 <223> OTHER INFORMATION: Fragment assembled from synthetic oligonucleotides
361 <400> SEQUENCE: 26
362 aattctgtaa aacgacggcc agtcgccagg gttttccag tcacgacgtg aataaatagt 60
364 taattaagga ataggcctct cctcgagctc ggtaccgggc ccgcataagt cttcatctat 120

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RAW SEQUENCE LISTING ERROR SUMMARY      DATE: 08/03/2005  
PATENT APPLICATION: US/09/934,020C      TIME: 15:03:00

Input Set : A:\5525-8055.US00 New Sequence.ST25.txt  
Output Set: N:\CRF4\08032005\I934020C.raw

Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:1; N Pos. 71,72,73,74,75,76

Seq#:28; N Pos. 1,2,3,4,5

**VERIFICATION SUMMARY**

DATE: 08/03/2005

PATENT APPLICATION: US/09/934,020C

TIME: 15:03:00

Input Set : A:\5525-8055.US00 New Sequence.ST25.txt

Output Set: N:\CRF4\08032005\I934020C.raw

L:36 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:1 after pos.:60

L:162 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:11

L:398 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28 after pos.:0